

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application.

COMPLETE LISTING OF THE CLAIMS:

Claims 1-12 : (Canceled)

Claim 13 : (New) A single conversion radio frequency tuner, comprising: a single conversion frequency converter including an image reject mixer and a local oscillator, the local oscillator comprising a variable frequency oscillator and a variable divider between the mixer and the variable frequency oscillator, the variable divider receiving from the variable frequency oscillator a variable frequency signal and supplying to the mixer a local oscillator signal whose frequency is equal to a frequency of the variable frequency signal divided by any selected one of a plurality of integers, each of which is greater than one.

Claim 14 : (New) The tuner as claimed in claim 13, in which the variable divider comprises a plurality of divide-by-two stages having respective outputs and a multiplexer having inputs connected to the respective outputs of the divide-by-two stages.

Claim 15 : (New) The tuner as claimed in claim 14, in which the variable frequency oscillator is tuneable over a frequency range which is at least one octave.

Claim 16 : (New) The tuner as claimed in claim 13, in which the variable frequency oscillator comprises a part of a frequency synthesizer.

Claim 17 : (New) The tuner as claimed in claim 13, comprising a non-frequency-selective signal path connecting the mixer to a signal source.

Claim 18 : (New) The tuner as claimed in claim 13, comprising a signal input and an automatic gain control circuit between the signal input and the mixer.

Claim 19 : (New) The tuner as claimed in claim 13, comprising a signal input and a plurality of input stages between the signal input and the mixer.

Claim 20 : (New) The tuner as claimed in claim 13, formed as a single chip integrated circuit.

Claim 21 : (New) The tuner as claimed in claim 13, formed as a digital tuner.

Claim 22 : (New) The tuner as claimed in claim 13, formed as a cable tuner.